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ABSTRACT

In June 2000, 492 students received diplomas from two high schools in Saginaw, Michigan. To determine these graduates' activities nine months after graduation, 376 of them were telephoned and asked about post-secondary education, employment status, and perception/evaluation of their high school education. The results of that survey are reported here. Survey findings will provide school board members, administrators, teachers, and counselors with data to assist them in instructional and curricular planning. Results indicate that 70.9% of the graduates were in college, school, training, or apprentice programs. For those attending school, the five top study areas were business, education and social services, medicine and health services, general courses/undecided, and engineering and architecture. Over half (52.9%) of the graduates attending school felt that they used their high school education a lot in their major area of study. Regarding employment, 70.3% of those surveyed were working for pay and 4.8% were full-time homemakers. The two most frequently mentioned "suggested improvements" to the high school program were: "more challenging courses such as problem-solving exercises, more basic college level classes" and "better teachers that check student work." Four appendixes present survey instruments and data. (GCP)

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FOLLOW-UP STUDY OF 2000 GRADUATES

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Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

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Revised, June 2002

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First, Mr. Craig McCain and Ms. Jean Farrington for their help in designing a follow-up instrument for the Saginaw Career Complex (SCC) and a parallel instrument for the entire district. SCC and Evaluation staffs who made phone calls related to both studies are due a special "Thank You". Mrs. Deb Juhasz-Krawczyk, Mrs. Rosemary Schindler, and others at the Central Office acted as phone interviewers for the phone calling portion of the survey. Thanks also to the Evaluation staff, especially Alice Hall and Phyllis Dietrich for phoning, typing, copying, and collating the survey and its results.

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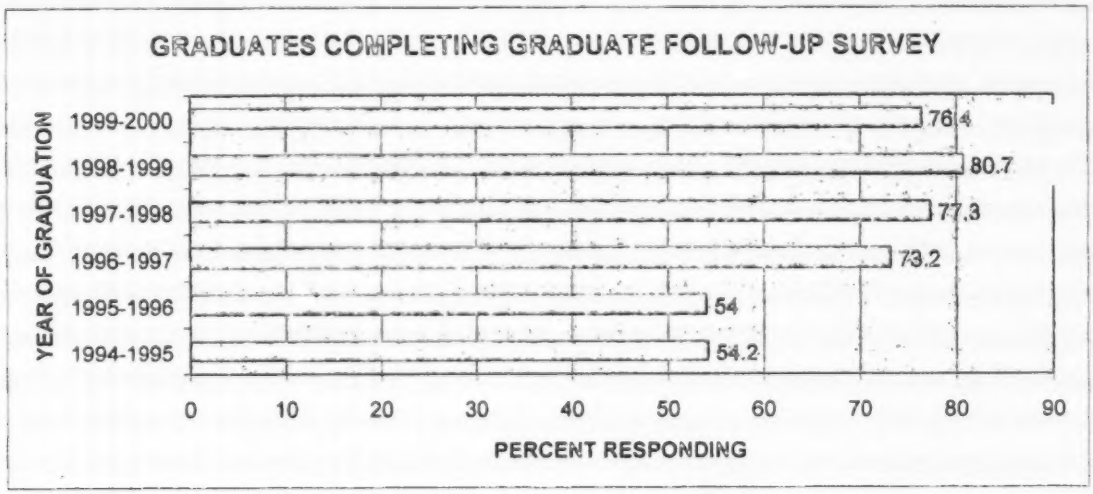
INTRODUCTION

The School District of the City of Saginaw has had a history of doing a follow-up study of its graduates. The Evaluation and Quality Measurement Department of the School District of the City of Saginaw, has been assigned the main responsibility of conducting the study and producing a report. The requirement to follow the graduates past the walls of the public school setting has been going on for the past ten years. The five prior years and the current year are no exceptions in trying to track the careers of the graduates. This six-year period, as illustrated in the graph below, has shown the ability to contact a larger percent age of graduates (or their parents/relatives), to learn more about the graduates who are now gone from the public schools here in Saginaw, but are not forgotten.



As can be seen in the graph above, a somewhat increasing percentage of graduates have been contacted from approximately 54% in 1994-95 (54.2%) and 1995-96 (54.0%), to approximately +70% in 1996-97 (73.2%), 1997-98 (77.3%), 1998-99 (80.7%), and 1999-00 (76.4%).

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WHO WERE SURVEYED, HOW, AND WHEN?

Who:

All 492 students who completed their education by receiving a high school diploma from either Arthur Hill or Saginaw High School during the 1999-2000 school year were surveyed. A total of 376 responded either personally or by proxy.

Table I below contains a breakdown by ethnic background and gender of those completing the follow-up questionnaire and the 2000 graduating class.

Table 1

Comparison of the 2000 Graduate Population With the 2000 Graduates Completing a Follow-up Questionnaire

			2000 Graduates Completing Questionnaire			
TOTAL/CATEGORY VARIABLES Ethnic Background, Gender, and School	Population of 2000 Graduating Class		Number	Percent of Respondents	Percent of Grad. Class	Percent of Grad. Responding by Category Variable
	Number	Percent				
TOTAL	492	100.0	376	100.0	76.4	
ETHNIC BACKGROUND						
White	178	36.2	145	38.6		81.5
Black	269	54.7	191	50.8		71.0
Hispanic	40	8.1	35	9.4		87.5
American Indian	1	0.2	1	0.3		100.0
Asian/Pacific Islander	4	0.8	4	1.0		100.0
GENDER						
Female	264	53.7	203	54.0		76.9
Male	228	46.3	173	46.0		75.9
SCHOOL						
Arthur Hill	295	60.0	231	61.4		78.3
Saginaw High	197	40.0	145	38.6		73.6

Of the responding graduates, 231 (61.4%) were from Arthur Hill and 145 (38.6%) were from Saginaw High. The graduating class was made up of 295 (60.0%) from Arthur Hill and 197 (40.0%) from Saginaw High. Thus, Arthur Hill and Saginaw High students were approximately equal to their representation in the graduating class. Generally the respondents were representative of the graduating class population in terms of ethnic background, gender, and school.

How and When:

To determine what they have been doing approximately nine months after graduating, the Evaluation and Quality Measurement Department, in conjunction with the staff from the Saginaw Career Complex (SCC), created a phone survey (see Appendix A for a copy of the instrument.). Graduates were called by telephone March through May, 2001, either by a SCC staff member (if they completed a SCC Program), or by the EQM Staff. The questionnaire directed respondents to identify issues related to their post-secondary education, employment status, and perception/evaluation of their high school education. The findings, by item, are contained in Appendix B, and represent all the responses received as of May 23, 2001.

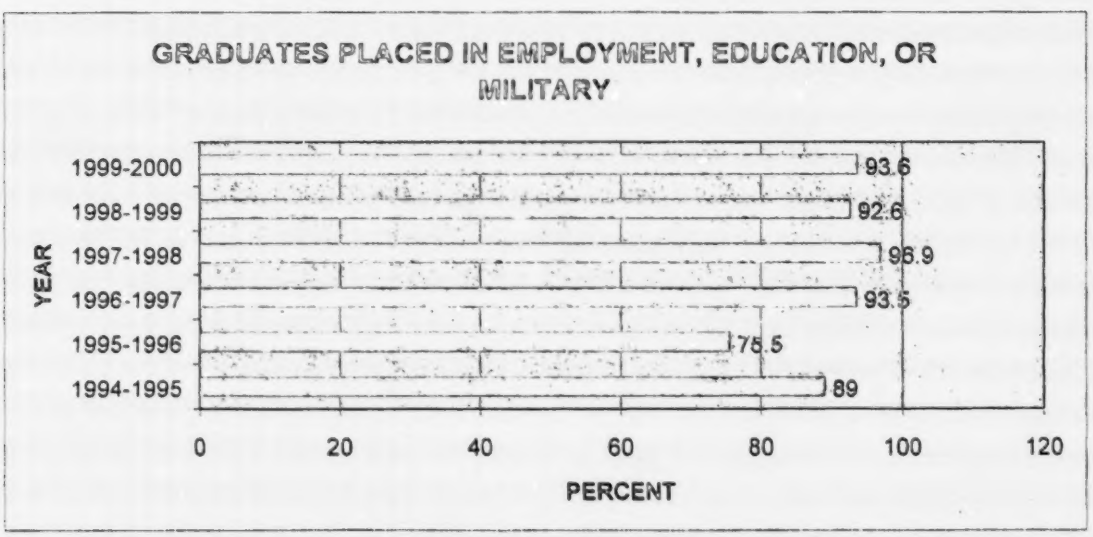
The results of the 2000 graduate follow-up study are presented on the pages that follow. The nine areas of inquiry that are posed and answered include the following:

- What are our graduates doing?
- How many of our graduates are working for pay?
- How much pay do those working receive on a weekly basis?
- Who were the main employers of our graduates?
- How many of our graduates are looking for a job?
- How many of our graduates are pursuing further education?
- How well are the schools preparing the graduates in computer literacy and life management skills?
- In their current major area of study, how much do our graduates use their high school education?
- What do our graduates feel the schools do well and what do they want improved?

In addition, trend data are provided where available for up to five prior graduating classes. Thus, the information related to the 2000 graduates can be put into some perspective by reviewing information from prior graduating classes.

WHAT ARE OUR GRADUATES DOING?

Our graduates are working for pay, seeking further education/training, or serving their country in the military. Some 376 (or 93.6%) are placed in these activities (see Appendix D for this combined count). The graph below shows how the placement of graduates has changed over the six most recent graduating classes.



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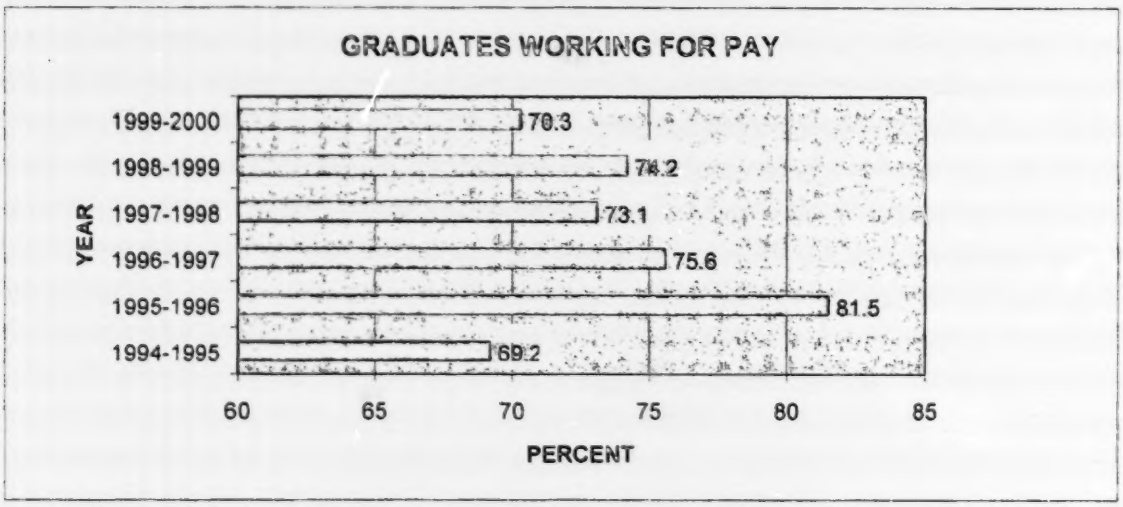
As can be seen from the graph on the previous page, the percent of graduates placed has remained somewhat constant (in the mid-90% range) for the 1997 to 2000 graduation classes.

HOW MANY OF OUR GRADUATES ARE WORKING FOR PAY?

Over two-thirds (70.3% or 256) of the 2000 graduates were working for pay, while 4.8% or 17 of the graduates were full-time homemakers. (There were large numbers of employed students who also were pursuing post-secondary education at the same time.) The graph below displays the percent of graduates working for pay for the six most recent graduating classes.



As can be seen in the graph above, the 1996 graduates showed the greatest percentage working with 81.5%, and the 1995 graduates showed the lowest percentage of 69.2%. The 2000 graduates showed 70.3% working for pay, which comes close to the 1995 graduates' figure of 69.2%.

When full-time employment was defined as working 40 or more hours, 27% (or 69) of the working 2000 graduates met the full-time definition. Slightly over two-thirds (68.8%) of the working graduates provided an hourly wage. Using median hours per week, most 2000 graduates working for pay worked 30 hours per week and received an average of $6.56 per hour, with pay ranging from $2.55 to $18.25 per hour.

The graph on the following page provides the median hours per week for the 2000 graduates through the 1995 graduates.

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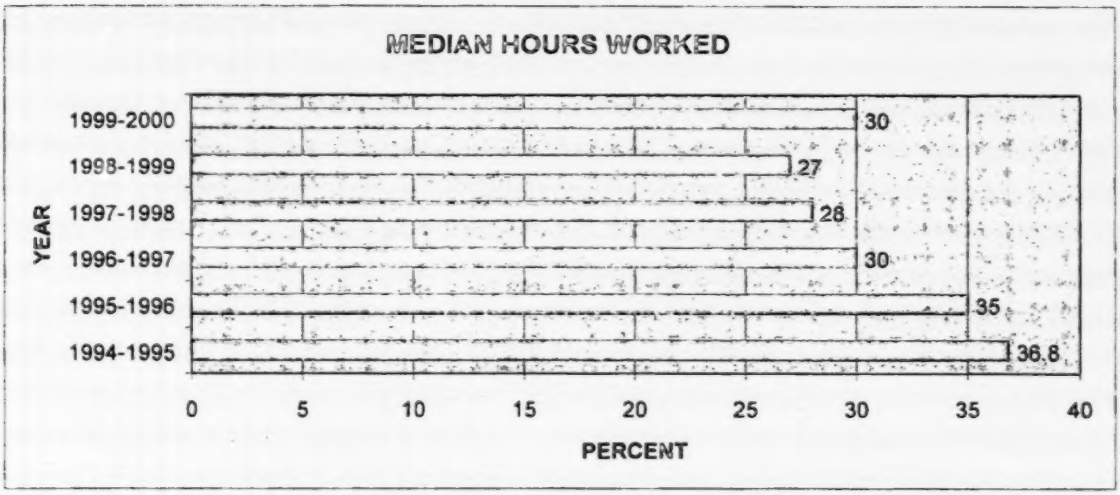
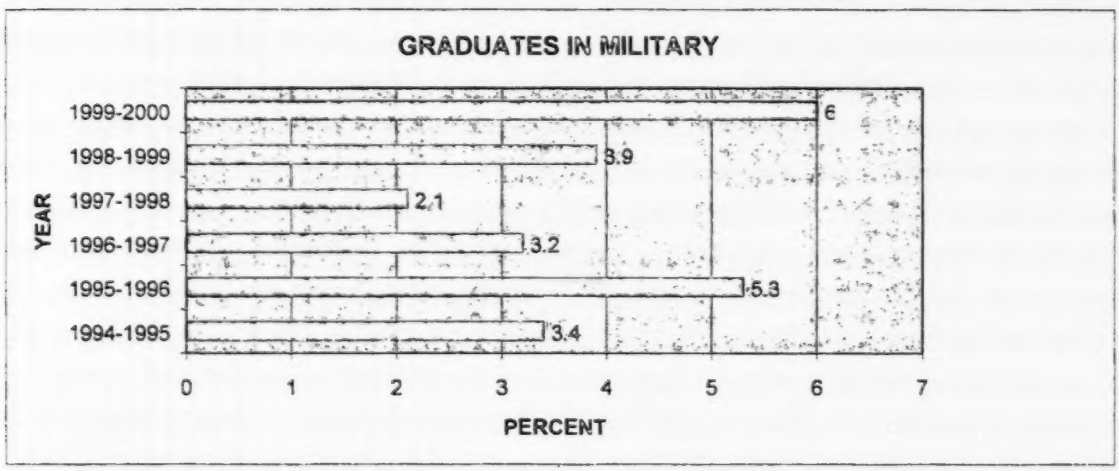


A review of the graph above shows that 1995 graduates worked the most hours, or 36.8 hours per week, while the 1999 graduates worked the least hours or 27 hours per week.

The graph below displays how the percent entering the military has changed over the six most recent graduating classes.



A study of the above graph reveals that the 2000 graduates showed the greatest percentage entering the military (6.0%), while the 1998 graduates showed the smallest percentage entering the armed services (2.1%).

HOW MUCH PAY DO THOSE WORKING RECEIVE ON A WEEKLY BASIS?

The average weekly salary for 2000 graduates was $186.32, with the weekly pay ranging from $15.00 to $730.00 per week. The graph on the following page compares the average weekly pay for the five most recent graduating classes.

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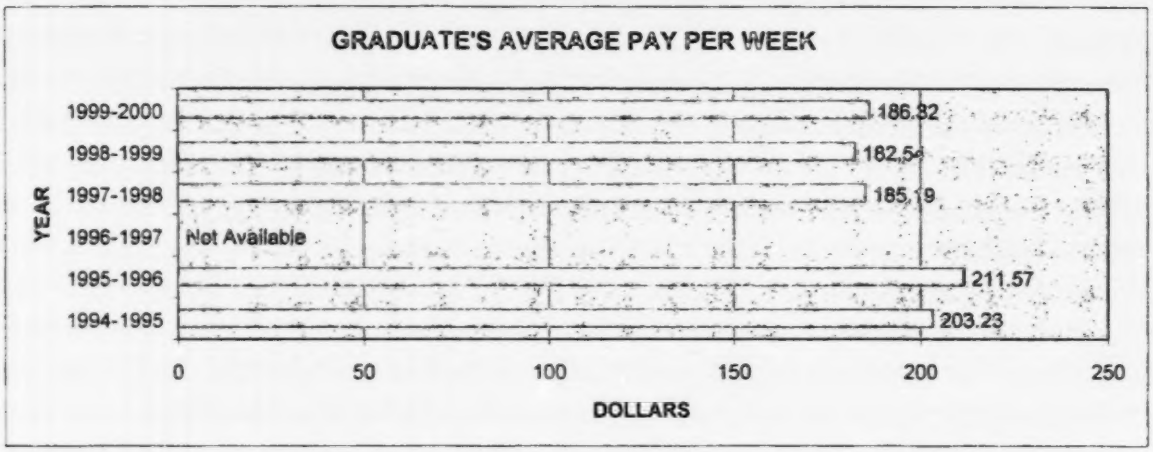
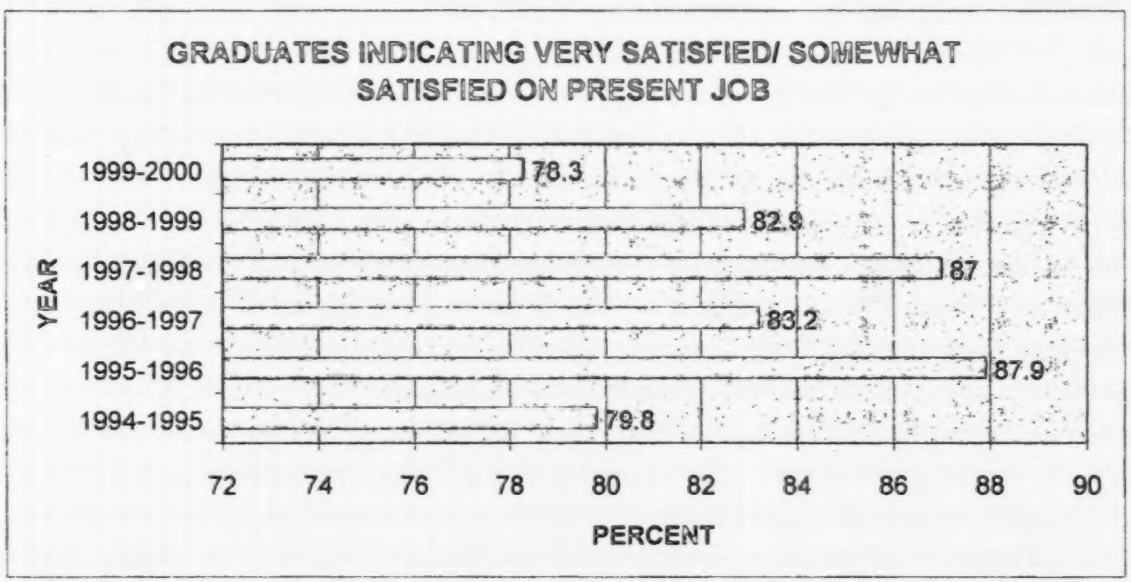


A review of the above graph reveals that the 1996 graduates received the greatest average weekly paycheck ($211.57), while the 1999 graduates received the smallest paycheck ($182.54). The 2000 graduates appear to be at the lower end of the pay scale per week with $186.32, very similar to the 1999 graduates at $182.54.

When these 2000 graduates were asked how satisfied they were on their current job using a four-point scale from "Very Satisfied" to "Not Satisfied at All", almost half (50.2%) indicated "Somewhat Satisfied", followed by "Very Satisfied" (28.1%), "Not Very Satisfied" (13.0%), and "Not Satisfied at All" (8.7%).

The graph below contrasts the six most recent graduating classes in terms of job satisfaction by combining the two positive satisfaction categories ("Very Satisfied" and "Somewhat Satisfied").



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A perusal of the graph on the previous page shows that the 1996 graduates are the most satisfied (87.9% in the top two categories), while the 2000 graduates are the least satisfied (78.3% in the top two categories).

WHO WERE THE MAIN EMPLOYERS OF OUR GRADUATES?

In terms of the percent of 2000 graduates employed for pay, the following were the main seven employers:

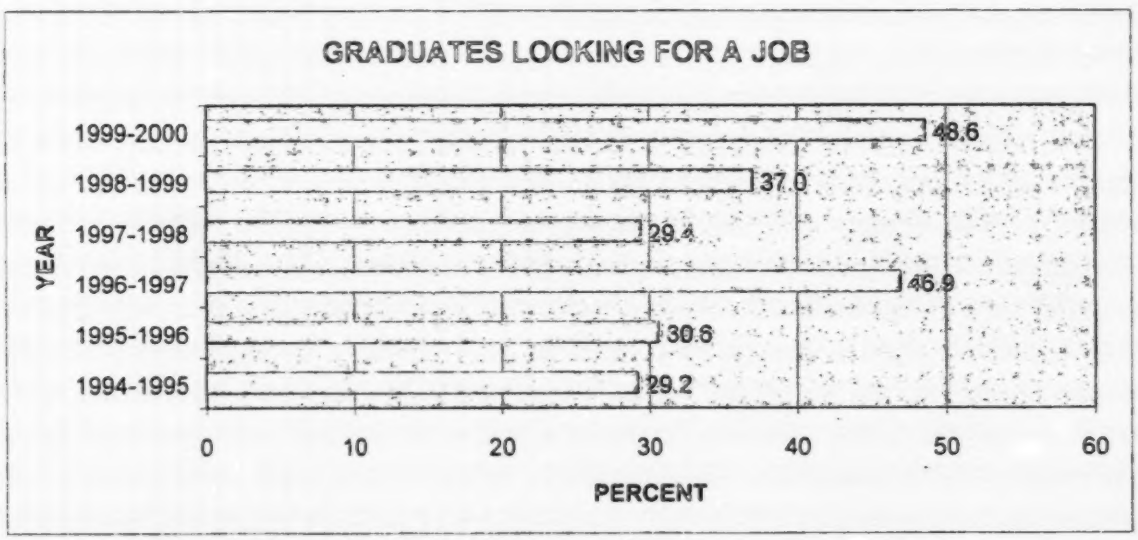
- U.S. Navy/Marines/Army/Air Force (4.35%);
- McDonald's Restaurants (3.95%);
- Michigan State University (3.95%);
- Meijer's (3.16%);
- Restaurants (3.16%);
- Covenant Health Care (2.37%); and
- Fashion Square Stores (2.37%).

Regarding the employment figures overall, 51.9% of the employers hired a single 2000 graduate, while 48.1% of the employers hired two or more of our graduates.

When the employed for pay graduates were asked how much they use their high school education on their present job, a total of 63.1% indicated they used it "A Lot" or "Some," while the remaining 26.9% used it "Hardly Any" or "None." This may be contrasted with those seeking further education who indicated higher usage with 88.4% indicating "A Lot" or "Some" and the remainder (11.6%) indicating "Hardly Any" or "None."

HOW MANY OF OUR GRADUATES ARE LOOKING FOR A JOB?

Some 48.6% or 180 of the 2000 graduates indicated that they were looking for a job. The graph on the following page presents the percentage looking for a job for the six most recent graduating classes.



A review of the graph above shows the greatest percentage looking for a job was 48.6% for the 2000 graduates, and the smallest percentage was 29.2% for the 1995 graduates.

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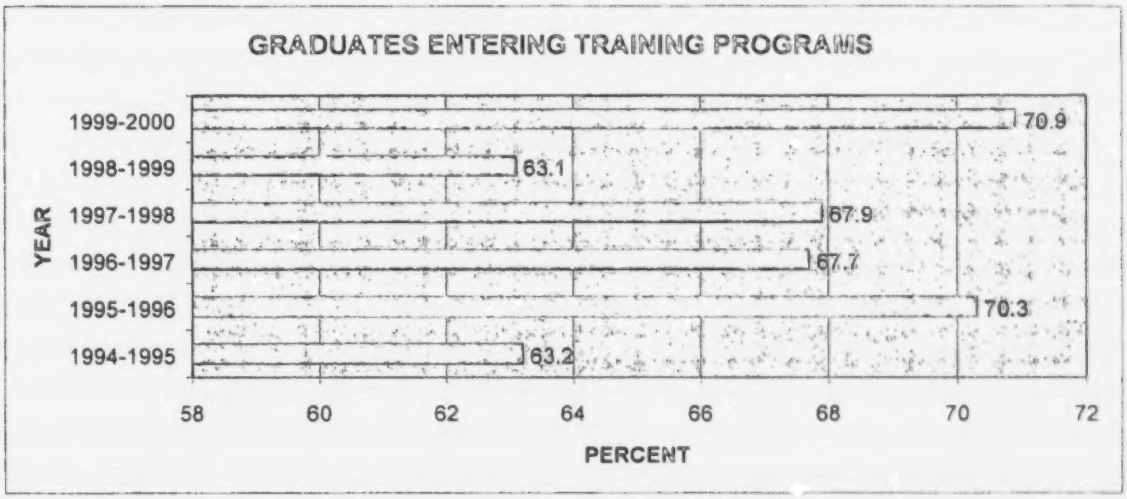
HOW MANY OF OUR GRADUATES ARE PURSUING FURTHER EDUCATION?

Almost three-quarters of the graduates (70.9% or 261) are engaged in schools, colleges, training, or apprentice programs. The 70.9% figure of the 2000 graduates pursuing some form of further education is at an all-time high over the six years being compared.



A review of the graph above shows that the 70.9% of the 2000 graduates is the highest percent of graduates entering a training program, and the 1999 graduates showed the lowest percent of 63.1%.

The 2000 graduates ranked (high to low) the major area (described in Appendix C) they chose to study as follows:

- Business (18.6%);
- Education and Social Services (16.3%);
- Medicine and Health Services (13.2%);
- General courses/undecided (12.4%);
- Engineering and Architecture (10.1%);
- Commercial Arts and Communication (8.9%);
- Other Services (6.6%);
- Law and Government (4.7%);
- Fine Arts and letters (4.2%);
- Science and Agriculture (4.2%); and
- Construction and Skilled Trades (0.8%).

The 2000 graduates are attending a variety of different types of programs, including the following:

- 45.9% Four-year college or university;
- 21.3% Two-year college liberal arts program;
- 19.4% Two-year college vocational-technical program;
- 5.6% Other;
- 4.9% One-year college vocational technical program;
- 1.8% Business or trade school; and
- 1.5% High school.

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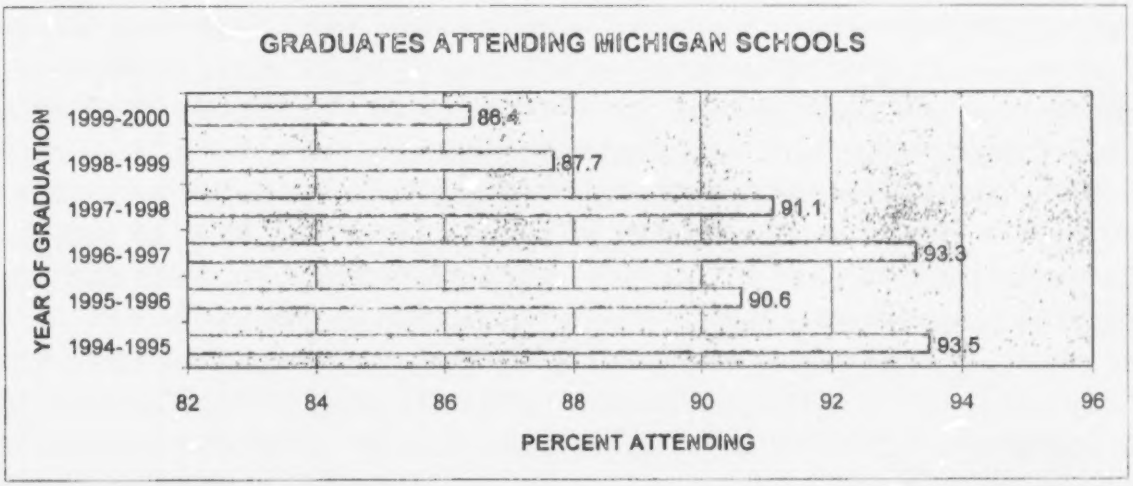
Of the 70.9% going on for further education, a total of 86.4% attended Michigan schools and the remaining 13.6% attended out-of-state schools and training programs. The graph below contrasts this percentage of 2000 graduates going on for further education in Michigan schools/programs with the five prior graduating classes.



As can be seen from a review of the above graph, the 86.4% level of the 2000 graduates going to Michigan schools is the smallest percentage, while the 93.5% level of the 1995 graduates is the largest.

HOW WELL ARE THE SCHOOLS PREPARING THE GRADUATES IN COMPUTER LITERACY AND LIFE MANAGEMENT SKILLS?

In an attempt to explore technological skills preparation, the 2000 graduates were asked how well the Saginaw Schools prepared them in developing computer literacy skills. Graduate responses were as follows:

- 44.4% Excellent/Above Average;
- 37.2% Average; and
- 18.4% Below Average/Poor.

The graph on the following page contrasts the responses from the three most recent graduating classes. This is the third year this question was posed to our graduates.

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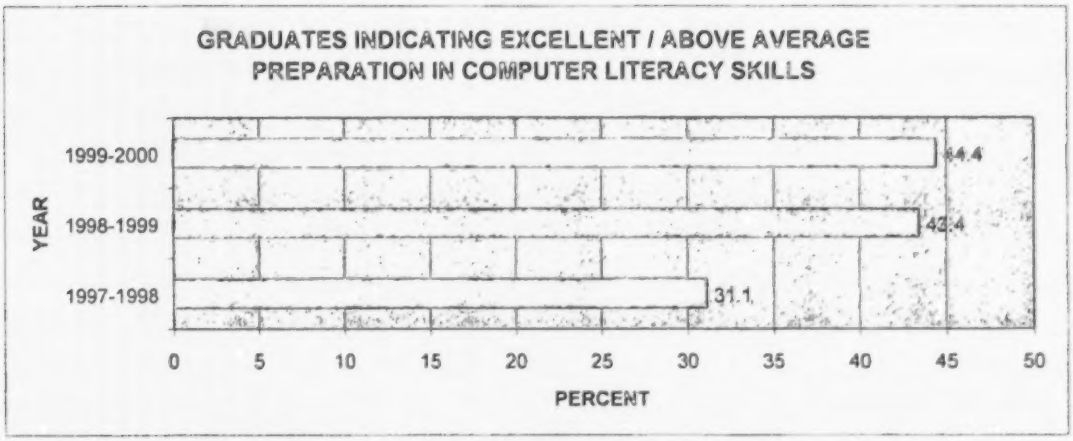
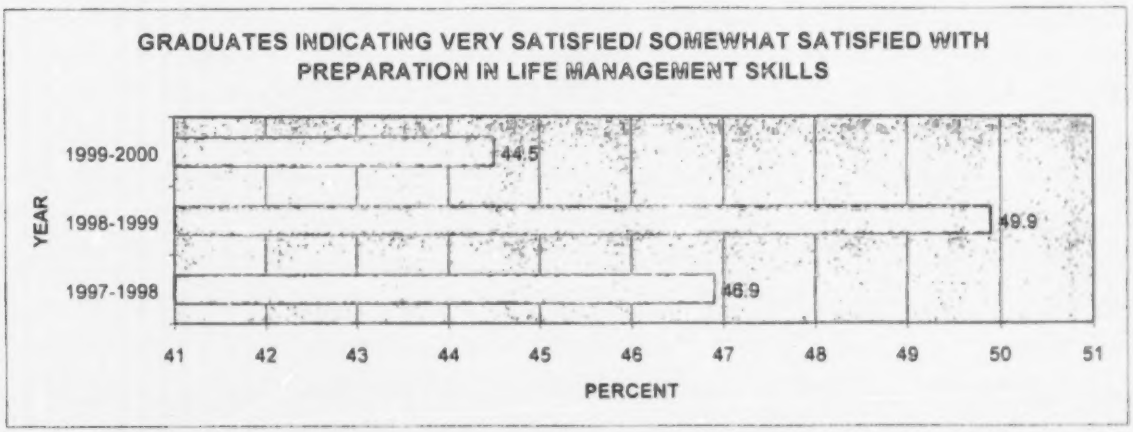


A study of the above graph reveals that improvements have been perceived by the graduating classes with the percent in "Excellent/Above Average" in preparation in computer literacy going from 31.1% to 43.4%, to 44.4% for 1998, 1999, and 2000 graduates, respectively.

The 2000 graduates were also asked "How well did the Saginaw Schools prepare them in developing life management skills, such as budgeting and goal setting?" Their responses were:

- 44.5% Excellent/Above Average;
- 38.5% Average; and
- 17.0% Below Average/Poor.

The graph below contrasts the responses of the three most recent graduating classes in their satisfaction with preparation the schools offered in life management skills. Again, this was the third year this question was asked of our graduates.



A review of the graph reveals that almost half of the students indicated" Very or Somewhat Satisfied" with preparation in life management skills with 46.9%, 49.9%, and 44.5%, of 1998, 1999, and 2000 graduates respectively, indicating this combined positive category.

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IN THEIR CURRENT MAJOR AREA OF STUDY, HOW MUCH DO OUR GRADUATES USE THEIR HIGH SCHOOL EDUCATION?

When the 2000 graduates were asked how much they use the education in their major area of study or training they received during high school, 52.9% indicated "A Lot," 35.5% "Some," 6.2% "Hardly Any," and the remaining 5.4% indicated "None."

WHAT DO OUR GRADUATES FEEL THE SCHOOLS DO WELL AND WHAT DO THEY WANT IMPROVED?

Graduates from the Class of 2000 were asked to list one or two major strengths of the high school program. The following are those major strengths that represent more than four percent of the responses:

- Mathematics Skills (15.8%);
- Language Arts (11.9%);
- Good Teacher(s)/Staff (11.2%);
- Saginaw Career Complex (6.4%);
- Public Speaking/Communication Skills (4.7%);
- Requiring students to be prompt and attend school to develop self-confidence (4.5%); and
- How to cooperate with others/teamwork/leadership (4.2%).

The same 2000 graduates were also asked to suggest one or two ways the high school program could be improved. The following are those improvements offered that represent the top six response categories.

- More challenging courses such as problem-solving exercises, more basic college level classes, etc. (14.4%).
- Better teachers that check student work (11.4%).
- Teachers that motivate/push students to do better and provide one-to-one help (11.4%).
- Better school safety concerning gun control, bomb threats, fights, classroom discipline (6.8%).
- More career/job training involving job shadowing, how to interview, etc. (6.5%).
- More practical courses dealing with real life issues, hands-on operations, budgeting, etc. (5.8%).

APPENDICES

APPENDIX A

Place Label Here

School: Arthur Hill/Saginaw High
Student Name: _____
Phone Number: _____
Phone Number: _____
Phone Number: _____

Saginaw Student ID Number

Respondent Type: _____1. Actual
_____2. Proxy

If unable to reach the student, please circle reason for non-contact:

C Deceased
D Disconnect
I Incarcerated
U Unable to contact
V Moved
W Wrong number
N No Phone
R Refused
O Other

A FOLLOW-UP STUDY OF 2000 GRADUATES
(Phone Survey)

Hello, I'm _____ from the Saginaw School District. We are phoning former high school students, such as yourself and asking them about what they are doing now. Your answers and opinions can help us make our programs better for students in the future. It will only take a few minutes to answer these questions. Is this okay? (If no, set up a call back time.)

According to my records, you completed high school level courses (at_____) School. Is this correct? (If no, end survey and say "There may be some mix-up in my information, let me check my records and I'll get back with you." Then check records.)

1. In September of last year, were you:
   ____ 1. In a training program, attending a school or college or working as an apprentice
   ____ 2. On full-time active duty in the military
   ____ 3. Working for pay
   ____ 4. BOTH working for pay AND in a training program, attending school or working as an apprentice
   ____ 5. None of the above
   ____ 6. Other (Specify: _____)

2. Between September of last year and now, have you been employed, in the military, or in school or a training program or any combination of these:
   _____1. Continuously
   _____2. Most of the time (4-5 months out of the past 6)
   _____3. Some of the time (3 or less months out of the past 6)
   _____4. Not at all

3. Are you now in a training program, attending a school or college or working as an apprentice?
   _____1. Yes
   _____2. No (**If 'no', go to question 6)**

4a. In your major area of study or training, how much do you use the **high school education** you received in the Saginaw Schools? Would you say you use it a lot, some, hardly any, or none?
   ____ 1. A lot
   ____ 2. Some
   ____ 3. Hardly any
   ____ 4. None

4b. In your career path of studies, how much do you use the **employability skills training** you received during **high school** the Saginaw Schools? Would you say you use the **high school training** a lot, some hardly any, or none?

___ 1. A lot
___ 2. Some
___ 3. Hardly any
___ 4. None

5a. I will list some different types of programs. Would you please tell me which one you are now attending? (Read List)

___ 1. High School
___ 2. 1-Year College Vocational-Technical Program
___ 3. 2-Year College Vocational-Technical Program
___ 4. 2-Year College Liberal Arts Program
___ 5. 4-Year College or University Program
___ 6. Business or Trade School
___ 7. Apprentice Program
___ 8. Other (Specify:_____)

5b. Please tell me the name and address of the school / program you are attending and the major area of study.

Institution: _____

Address:_____

_____

Major Area of Study: _____

6. Are you full-time active duty in the military?

___ 1. Yes (If yes, make Question 7 a yes, record 40 hours for question 8 and go to question 9a.)
___ 2. No

7. Are you working for pay?

___ 1. Yes
___ 2. No (if no, go to Question 12)

8. About how many hours per week do you work? (Write the number of hours per week)

_____ hours per week

9. On your present job, how much do you use the high school education you received in the Saginaw Schools? Would you say you use it a lot, some, hardly any, or none?

___ 1. A lot
___ 2. Some
___ 3. Hardly any
___ 4. None

10. Overall, how satisfied are you with your present job? Would you say that you are very satisfied, somewhat satisfied, not very satisfied, or not at all satisfied?

___ 1. Very satisfied
___ 2. Somewhat satisfied
___ 3. Not very satisfied
___ 4. Not at all satisfied

11a. Please tell us about your primary employer/ (Employers will not be contacted about specific students.)

Company Name: _____

11b. On your present job, how much per hour are you paid? (If more than $12.00, please ask respondent to repeat the money figure to be sure.)

$_____(per hour)

12. Are you currently looking for a job?
    ___ 1. Yes
    ___ 2. No

13. Are you a full-time homemaker?
    ___ 1. Yes
    ___ 2. No

18. What are one or two significant strengths of your high school program that helped further your education, training, or employment?
    (A)_____
    _____
    (B)_____
    _____

19. What are one or two significant ways that the high school program could be improved? Please be specific!
    (A)_____
    _____
    (B)_____
    _____

20. On a scale of 1 to 5, with one being excellent and five being poor, how well did the Saginaw Schools prepare you in developing computer literacy skills?
    ___ 1. Excellent
    ___ 2. Above Average
    ___ 3. Average
    ___ 4. Below Average
    ___ 5. Poor

21. On the same 1 to 5 scale, how well did the Saginaw Schools prepare you in developing life management skills such as budgeting and goal setting?
    ___ 1. Excellent
    ___ 2. Above Average
    ___ 3. Average
    ___ 4. Below Average
    ___ 5. Poor

Thank you very much. The information you have provided has been very helpful. Have a wonderful day.

APPENDIX B

School District of the City of Saginaw, Michigan
Evaluation and Quality Measurement Department
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	#	%	
Respondent Type:	224	59.6	1. Actual
	152	40.4	2. Proxy
	376	**100.0**	

A FOLLOW-UP STUDY OF 2000 GRADUATES
(N = 376)

Hello, I'm _____ from the Saginaw School District. We are phoning former high school students, such as yourself and asking them about what they are doing now. Your answers and opinions can help us make our programs better for students in the future. It will only take a few minutes to answer these questions. Is this okay? (If no, set up a call back time.)

According to my records, you completed high school level courses (at_____) School. Is this correct? (If no, end survey and say "There may be some mix-up in my information, let me check my records and I'll get back with you." Then check records.)

1. In September of last year, were you: **(N = 376)**

34.0%	1. In a training program, attending a school or college or working as an apprentice
4.8%	2. On full-time active duty in the military
20.2%	3. Working for pay
35.7%	4. BOTH working for pay AND in a training program, attending school or working as an apprentice
4.5%	5. None of the above
0.8%	6. Other (Specify: _____)
100.0%	

2. Between September of last year and now, have you been employed, in the military, or in school or a training program or any combination of these: **(N = 371)**

70.6%	1. Continuously
19.4%	2. Most of the time (4-5 months out of the past 6)
4.3%	3. Some of the time (3 or less months out of the past 6)
5.7%	4. Not at all
100.00	

3. Are you now in a training program, attending a school or college or working as an apprentice? **N = 368)**

70.9%	1. Yes
29.1%	2. No **(If 'no', go to question 6)**

4a. In your major area of study or training, how much do you use the **high school education** you received in the Saginaw Schools? Would you say you use it a lot, some, hardly any, or none? **(N = 276)**

52.9%	1. A lot
35.5%	2. Some
6.2%	3. Hardly any
5.4%	4. None
100.0%	

4a. (Continued):

***Percents may not total to exactly 100.0% due to rounding**

4b. In your career path of studies, how much do you use the **employability skills training** you received during **high school** the Saginaw Schools? Would you say you use the **high school training** a lot, some hardly any, or none? **(N = 274)**

34.7%	1. A lot
37.9%	2. Some
15.7%	3. Hardly any
11.7%	4. None
100.0%	

5a. I will list some different types of programs. Would you please tell me which one you are now attending? (Read List) **(N = 268)**

1.5%	1. High School
4.1%	2. 1-Year College Vocational-Technical Program
19.4%	3. 2-Year College Vocational-Technical Program
21.3%	4. 2-Year College Liberal Arts Program
45.9%	5. 4-Year College or University Program
1.8%	6. Business or Trade School
0.4%	7. Apprentice Program
5.6%	8. Other (specify: _____)
100.0%	

5b. Please tell me the name and address of the school / program you are attending and the major area of study. **(N = 264)**

Institution:	
40.2%	Delta College
10.2%	Michigan State University
8.0%	Saginaw Valley State University
3.8%	Eastern Michigan University
3.8%	University of Michigan
3.0%	Central Michigan University
1.9%	Ferris State University
1.5%	Davenport University
1.5%	Michigan Technological University
1.5%	Northwood University
1.1%	Armed Services
1.1%	Ruben Daniels Lifelong Learning Center
1.1%	Western Michigan University
0.7%	Central State University – Ohio
0.7%	Florida A & M University
0.7%	Grand Valley State College
0.7%	Hartford University
0.7%	Kettering University- Flint, Michigan
0.7%	Michigan Career Tech Institute (MCTI) – Plainwell, Michigan
0.7%	Pittsburgh Art Institute
0.7%	University of Minnesota
0.7%	University of Northwest Ohio (Lima, Ohio)
0.7%	Wayne State University
0.4 %	Northern Michigan University
0.4%	Asbury College – Wilmore, Kentucky

5b. (Continued):

0.4%	Atlanta Junior College
0.4%	Boston University
0.4%	Brown University – Providence, Rhode Island
0.4%	Carrollton Post Secondary School
0.4%	Columbus College of Arts & Design
0.4%	Columbus University – New Orleans, Louisiana (Internet correspondence)
0.4%	Georgetown University
0.4%	Georgia Technology
0.4%	German High School (Germany)
0.4%	Horizon's Center
0.4%	Howard University (Washington DC)
0.4%	ITT – Grand Rapids, Michigan
0.4%	Kent State University
0.4%	Kentucky State University
0.4%	Kindercare
0.4%	Kirtland Community College
0.4%	Lansing Community College
0.4%	Lawrence Technology – Southfield, Michigan
0.4%	Miami of Ohio
0.4%	Mississippi State University
0.4%	NADA & Vanbelt - Nashville, Tennessee
0.4%	Oakland University
0.4%	Pennsylvania Culinary Arts School
0.4%	Port Huron Community College
0.4%	Ross Medical
0.4%	School of the Art Institute of Chicago (SAIC)
0.4%	University of Cincinnati
0.4%	University of Detroit Mercy
0.4%	Washtenaw Community College
0.4%	West Virginia State University
0.4%	Western Wayne – Iowa

Major Area of Study (N = 258):

18.6% Business: such as management, data processing, accounting, personnel management, and banking.

16.3% Education and Social Services: such as clergy, counseling, recreation, teaching, and professional youth leadership.

13.2% Medicine and Health Services: such as dentistry, hospital administration, medial services, nursing, pharmacy, psychiatry, and veterinary medicine.

12.4% General Courses/Undecided.

10.1% Engineering and Architecture: such as construction management, drafting, mechanical drawing, engineering – electrical/civil/mechanical, and landscape architecture.

8.9% Commercial Arts and Communication: such as photography, printing, graphic arts, illustrations, advertising, journalism, television industry, and radio broadcasting.

6.6% Services: such as auto repair, food management, chef, cosmetology, home economist, and mortician.

5b. (Continued):

4.7% Law and Government: such as law enforcement, lawyer, military science, and city management.

4.2% Fine Arts and Letters: such as music, English, painting, sculpture, and dramatics.

4.2% Science and Agriculture: such as physics, mathematics, forestry, conservation, chemistry, zoology, poultry science, and horticulture.

0.8% Construction, Industrial, and Skilled Trades: such as refrigeration, carpentry, sheet metal, plumber, machinist, and electrician.

0.0% Transportation: such as aviation careers, airline stewardess, railroad careers, and drivers

100.0%

6. Are you full-time active duty in the military? **(N = 352)**

6.0%	1. Yes (If yes, make Question 7 a yes, record 40 hours for question 8 and go to question 9a.)
94.0%	2. No
100.0%	

7. Are you working for pay? **(N = 364)**

70.3%	1. Yes
29.7%	2. No (if no, go to Question 12)
100.0%	

8. About how many hours per week do you work? (Write the number of hours per week) **(N = 244)**

Limits of range: 2 to 55 hours per week

28.7 hours per week (Mean)
30.0 hours per week (Median)
40.0 hours per week (Mode)
66.0 (27.0%) of 244 graduates worked 40 or more hours

9. On your present job, how much do you use the high school education you received in the Saginaw Schools? Would you say you use it a lot, some, hardly any, or none? **(N = 260)**

30.0%	1. A lot
33.1%	2. Some
20.0%	3. Hardly any
16.9%	4. None
100.0%	

10. Overall, how satisfied are you with your present job? Would you say that you are very satisfied, somewhat satisfied, not very satisfied, or not at all satisfied? **(N = 253)**

28.1%	1. Very satisfied
50.2%	2. Somewhat satisfied
13.0%	3. Not very satisfied
8.7%	4. Not at all satisfied
100.0%	

11a. Please tell us about your primary employer/ (Employers will not be contacted about specific students.) **(N = 253)**

4.35%	U.S. Navy/Marines/Army/Air Force
3.95%	McDonald's Restaurant
3.95%	Michigan State University
3.16%	Meijer's
3.16%	Restaurant
2.37%	Covenant Health Care
2.37%	Fashion Square Store
1.98%	Target
1.58%	City of Saginaw
1.58%	Kessels
1.58%	Sears
1.19%	Children's Institute-Holly McFall
1.19%	Federal Express
1.19%	Ferris State University
1.19%	J.C. Penney
1.19%	Kentucky Fried Chicken
1.19%	Spencer Gift
1.19%	Sunoco Gas Station
1.19%	YMCA
1.19%	Taco Bell
0.79%	ABC Warehouse
0.79%	Bar/Coffee Shop
0.79%	Block Busters
0.79%	Burger King
0.79%	Chuckie Cheese
0.79%	Delta College
0.79%	Dominos
0.79%	First Ward Community Center
0.79%	Gibson Service Center
0.79%	Hair Salon
0.79%	Hooter's
0.79%	Hoyt Nursing Home
0.79%	Kenny Roger's Roaster
0.79%	K-Mart
0.79%	Little Caesar's
0.79%	Lowe's
0.79%	Michael's
0.79%	Michigan National Bank
0.79%	Morley
0.79%	Next Door Foods
0.79%	Papa John's
0.79%	Petsmart
0.79%	Ponderosa
0.79%	Rally's
0.79%	Self-Owned Company
0.79%	Semi-Conductor – Hemlock
0.79%	Subway

11a. (Continued):

0.79%	Timber's Restaurant
0.79%	Tony's Restaurant
0.79%	Wright-K
0.40%	A&D Roofing
0.40%	Apple Mountain
0.40%	ARBY'S
0.40%	Art Van Furniture
0.40%	Asbury College
0.40%	Atertia Nursing Home
0.40%	Athletic Store
0.40%	Battery Store
0.40%	Bay Medical Center
0.40%	Best Buy
0.40%	Boehler's Nursery – Saginaw
0.40%	Bringer Inn
0.40%	Bugle Boy
0.40%	Burlington Coat Factory
0.40%	Camelot Music
0.40%	Carquest
0.40%	Central Michigan University
0.40%	Century Tell
0.40%	Chan's Garden
0.40%	Circuits
0.40%	Cleveland, Ohio Airport
0.40%	Companion Cuisine
0.40%	Cracker Barrel
0.40%	Craig's IGA
0.40%	Denny's
0.40%	Dollar Tree
0.40%	Eastern Michigan University
0.40%	Fashion Bug
0.40%	Fisher Contracting
0.40%	Genesee Packing Company
0.40%	Glendale Nursing Home
0.40%	Growing Years
0.40%	Hartford University
0.40%	Hemlock Semi-Conductor
0.40%	Home Depot
0.40%	Home HealthCare
0.40%	Horizon's Center
0.40%	I.T.H.
0.40%	Johnston Lithographic
0.40%	KB Toys
0.40%	Kiddie Kingdom Day Care (Nazarene)
0.40%	L.D.M. Technologies
0.40%	Landscaping Company
0.40%	Little Rascals
0.40%	Luther Manor Nursing Home

11a. (Continued):

0.40%	Mannion Brother's Hardware
0.40%	McCray Press
0.40%	McDonald Pontiac
0.40%	Michigan Photo Company
0.40%	Norell-Dow Corning
0.40%	Outlets of Birch Run
0.40%	Page Tel
0.40%	Painting Company
0.40%	Pennzoil
0.40%	Pizza Hut
0.40%	Power Gym
0.40%	Public Television
0.40%	Rainbow Children's Center
0.40%	RGIS Inventory System
0.40%	Rite Aid
0.40%	Ritz Photo Company
0.40%	Rotor Coaters International
0.40%	Royalite
0.40%	Saginaw Public Libraries
0.40%	Self-Serve Lumber
0.40%	Shay Water
0.40%	Solomon Smith Barney
0.40%	Speedy Print
0.40%	Sprint PCS
0.40%	St. Francis Nursing Home
0.40%	St. Mary's Hospital
0.40%	State Farm
0.40%	State Street Produce
0.40%	Styles & Plan
0.40%	Sullivan's Catering
0.40%	Superior Asphalt Company
0.40%	SY MED Corp.
0.40%	Temporary Services
0.40%	TENNECO
0.40%	The Bootleggers Party Store
0.40%	Top Notch Marketing
0.40%	U.S. Post Office
0.40%	United Parcel Service (UPS)
0.40%	University of Detroit Mercy
0.40%	University of Michigan
0.40%	UPS
0.40%	Veteran's Administration Hospital
0.40%	Wal-Mart
0.40%	Wendy's
0.40%	Zhender's of Frankenmuth

11b. On your present job, how much per hour are you paid? (If more than $12.00, please ask respondent to repeat the money figure to be sure.) **(N = 184)**

Limits of range: $2.55 to $18.25 per hour

$6.56 per hour (Mean)
$6.15 per hour (Median)
$6.00 per hour (Mode)

11c. About how many dollars per week do you earn? [Composite of questions 8 and 11b] **(N = 176)**

Limits of range: $15 to $730

$186.32 per week (Mean)
$167.00 per week (Median)
$120.00 per week (Mode)

11. Are you currently looking for a job? **(N = 370)**

48.6%	1. Yes
51.4%	2. No
100.0%	

13. Are you a full-time homemaker? **(N = 357)**

4.8%	1. Yes
95.2%	2. No
100.0%	

18. What are one or two significant strengths of your high school program that helped further your education, training, or employment? **(N = 254)***

3.7%	Taught how to apply yourself 100% at school
15.8%	Math skills
11.9%	English/Writing/Reading/Literature
11.2%	Good, caring teachers
6.4%	Saginaw Career Complex
4.7%	Public Speaking/Communication
4.5%	Requiring students to be prompt and attend school to develop self confidence
4.2%	How to cooperate with others/teamwork/leadership
3.7%	Science Program
3.2%	Computer skills
2.7%	Saginaw Arts and Science Academy
2.6%	Accounting/Economy/Business Courses/Typing
2.6%	Interacting with different people (ethnic diversity)
2.4%	Strong athletics/sports program
1.9%	Graphic Arts/Art Classes
1.6%	Extra curricular activities/plays/newspapers, etc.
1.6%	Music/Band Program
1.3%	Taught how to complete homework at school/study habits
1.3%	Advanced classes
1.3%	Government Class
1.1%	Scholarship availability
1.1%	Taught students job interviewing skills and how to make a good resume/employability skills

18. (Continued):

1.1%	Physics
1.1%	Counselors
0.8%	Typing
0.8%	Psychology
0.5%	Special education program
0.5%	Merit roll/high academic standards/National Honor Society
0.5%	Chemistry
0.5%	Excellent college prep curriculum
0.5%	Technology Vehicle Program
0.5%	Hands-on experience
0.3%	Teacher Cadet Program
0.3%	Craft class
0.3%	Elementary Education
0.3%	Foreign Language – Spanish
0.3%	Health Class
0.3%	Drama Class
0.3%	Peer mediation
0.3%	Career related pathways
100.0%	

* Multiple responses were possible. Percentage calculated on the basis of 377 responses rather than 254 respondents.

19. What are one or two significant ways that the high school program could be improved? Please be specific! **(N=223)***

14.4%	More challenging courses/more work on problem-solving exercise/more basic college level classes
11.4%	Better teachers that check student work
11.4%	Teachers that motivate/push students to do better/one-to-one help
6.8%	Gun control/safety/bomb threat/fighting/better classroom discipline
6.5%	Career training/job training/job shadowing/how to interview
5.8%	More practice courses/hands on courses/real life experiences, life insurance planning, checkbook and budgeting
4.3%	Better Math Program
4.0%	Computer classes offered sooner in high school, on daily basis, better course offerings – check for understanding – provide a one-to-one relationship with student
4.0%	More liberal arts classes/college prep
2.5%	Get rid of the Math core
2.2%	More extra curricular involvement for after school
2.2%	More opportunities for parental involvement in the school
2.2%	More research papers/writing
1.5%	Provide technical classes at home after school
1.5%	Improved/upgraded English courses/writing
1.5%	Keep building cleaner
1.3%	Longer breaks so students can get to know each other
0.9%	Scholarship availability
0.9%	Better Science Program
0.9%	Better academic program with less emphasis on sports
0.9%	Promote the Saginaw Career Complex more
0.9%	Smaller class sizes
0.9%	Better sports program
0.9%	Flexibility in scheduling classes
0.9%	Better counselors

19. (Continued):

0.6%	More time to complete assignments
0.6%	Reading skills instruction
0.6%	Focus on the basics more (Math and English)
0.6%	Students should have more freedom to study
0.6%	Communications/public speaking
0.6%	Less focus on MEAP and more focus on important learning
0.6%	More homework
0.6%	Teach students more about goal setting
0.6%	Better learning materials
0.6%	More information about requirements to attend college
0.6%	Don't 'make physical education mandatory
0.3%	Special education students need better counseling for the future
0.3%	Teamwork training should be offered
0.3%	More feedback on policies
0.3%	Report card, receipt to notify parents when they should know
0.3%	Allow students to be absent more
0.3%	Longer lunch hour
0.3%	Longer class periods
0.3%	Junior military classes
0.3%	Allow early graduation when requirements are met
100.0%	

*Multiple responses were possible. Percentages calculated on the basis of 326 responses rather than 223 respondents.

20. On a scale of 1 to 5, with one being excellent and five being poor, how well did the Saginaw Schools prepare you in developing computer literacy skills? **(N = 342)**

18.4%	1. Excellent
26.0%	2. Above Average
37.2%	3. Average
10.5%	4. Below Average
7.9%	5. Poor
100.0%	

21. On the same 1 to 5 scale, how well did the Saginaw Schools prepare you in developing life management skills such as budgeting and goal setting? **(N = 346)**

20.8%	1. Excellent
23.7%	2. Above Average
38.5%	3. Average
9.8%	4. Below Average
7.2%	5. Poor
100.0%	

APPENDIX C

EDUCATIONAL CAREER EMPHASIS CATEGORIES USED IN SAGINAW'S 2000 FOLLOW-UP STUDY

01 Business: such as management, data processing, accounting, personnel management, and banking

02 Commercial Arts and Communication: such as photography, printing, graphic arts, illustrations, advertising, journalism, television industry, and radio broadcasting

03 Construction, Industrial, and Skilled Trades: such as refrigeration, carpentry, sheet metal, plumber, machinist and electrician

04 Education and Social Services: such as clergy, counseling, recreation, teaching, professional youth leadership, and social worker

05 Engineering and Architecture: such as construction management, drafting, mechanical drawing, engineering – electrical / civil / mechanical, and landscape architecture

06 Fine Arts and Letters: such as music, English, painting, sculpture, and dramatics.

07 Law and Government: such as law enforcement, lawyer, military science, and management

08 Medicine and Health Services: such as dentistry, hospital administration, medical services, nursing, psychiatry, and veterinary medicine

09 Science and Agriculture: such as physics, mathematics, forestry, conservation, chemistry, zoology, poultry science, horticulture, and biology

10 Services: such as auto repair, food management, chef, cosmetology, home economist, and mortician

11 Transportation: such as aviation careers, airline stewardess, railroads careers, and drivers – truck and bus

12 General Courses / Undecided

APPENDIX D

Table D-1

2000 Graduate Placement Rate*

School/District		PLACEMENT COUNT AND RATE			
		Further Education, Employment, and Military		Further Education, Employment, Military, and Full-Time	
		N	%	N	%
Arthur Hill	(N = 231)	224	(97.0)	227	(98.3)
Saginaw High	(N = 145)	128	(88.3)	129	(89.0)
District	(N = 376)	352	(93.6)	356	(94.7)

* Some full-time homemakers were also pursuing education, employment, etc.

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